

p.1

Wheeler Dealer

could have been a GAMBLER, but I didn't PLAY
MY CARDS RIGHT.

RABBIT REVUE

This is a picture of:
A RECEDING
HAIR-LINE
OF COURSE

- | | |
|------------------|-------------------|
| 1) -54 | 15) 64 |
| 2) 3 | 16) $\frac{3}{5}$ |
| 3) -9 | 17) -9 |
| 4) $\frac{1}{3}$ | 18) -16 |
| 5) -5 | 19) 0 |
| 6) -15 | 20) 18 |
| 7) 64 | 21) 2 |
| 8) 1 | 22) 18 |
| 9) 27 | 23) 101 |
| 10) 0 | 24) -9 |
| 11) -15 | 25) -100 |
| 12) -1 | |
| 13) -500 | |
| 14) 27 | |

p.4

p.8 Facts About Dogs

- Afgan Hound
- Chihuahua
- Great Dane
- Karabash
- Salvki
- Weimaraner
- Glen of Imaal terrier
- Groenendael

p.9 "How Wise"

p.10 Pythagorean Theorem

1. 4m
2. About 5.66 ft
3. 15 cm
4. 13ft
5. 25in
6. About 14.14 m
7. About 47.37ft

p.14 Variables on Each Side

1. r=-5
2. t=13
3. x=-8
4. y=-9
5. x=2
6. p=1 $\frac{3}{11}$

p.2 HERE'S AN EYEFUL!

1) 15	8) -4	16) 4
2) 46	9) 6	17) -25
3) -22	10) -23	18) 88
4) 1	11) -72	19) -64
5) 64	12) -30	20) 5
6) -6	13) -38	21) 0
7) 8	14) -3	22) -11
	15) -35	23) $\frac{2}{5}$
		24) -7
		25) -12

COPY CLEANER

Sign on the EDITOR'S DESK:
FIDDLER ON THE PROOF.

- | | | |
|---------|---------|---------|
| 1) 39 | 20) 2 | |
| 2) -12 | 11) -15 | 21) -2 |
| 3) 6 | 12) 3 | 22) -2 |
| 4) 10 | 13) -14 | 23) -7 |
| 5) -22 | 14) 20 | 24) -2 |
| 6) -14 | 15) -5 | 25) 1 |
| 7) 53 | 16) 13 | 26) 6 |
| 8) -2 | 17) -50 | 27) -14 |
| 9) -9 | 18) 26 | 28) 16 |
| 10) -22 | 19) -9 | |

p.5

- p.11
1. x=-21
 2. t=-5
 3. t=34
 4. r=96
 5. y=1
 6. h=-13
 7. p=-108
 8. k=-4
 9. p=-26

- p.12
1. t=-7
 2. m=50
 3. r=7.5
 4. x=-39
 5. g=-1.8
 6. y=-24

- p.13
1. x=3
 2. t=-40
 3. t=11.2
 4. x=60
 5. t=11
 6. t=-384
 7. t=-7.5
 8. r=7
 9. x=-10

p.3 Solving Problems Using Percent

1. \$168.42
2. \$60.96
3. \$3256.31
4. \$49.35 ; \$115.15
5. \$147.81
6. \$9804

p.6

A BOO-TIFUL PUZZLE

Name for Trick or Treater
BOUNTY HAUNTER

CHECKING SKILLS p.7

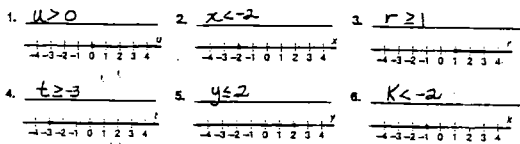
FORGER: a person who's always ready to WRITE A WRONG.

- | | | |
|--------------------|---------------------|--------------------|
| 1) $\frac{7}{18}$ | 7) $-\frac{1}{2}$ | 12) $\frac{1}{2}$ |
| 2) $-\frac{8}{3}$ | 8) $\frac{1}{9}$ | 13) $-\frac{5}{8}$ |
| 3) -18 | 9) $9\frac{4}{5}$ | 14) 4 |
| 4) -1 | 10) $-8\frac{2}{3}$ | 15) $2\frac{5}{6}$ |
| 5) $\frac{8}{9}$ | 11) $-\frac{1}{5}$ | 16) $\frac{1}{12}$ |
| 6) $-\frac{5}{12}$ | | 17) $-\frac{4}{8}$ |

p.15

Solving Inequalities

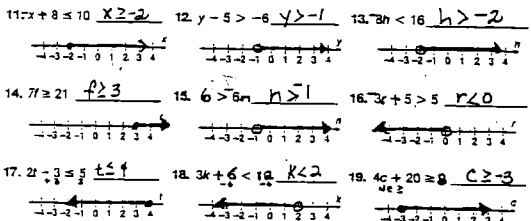
Write an inequality for each graph.



Determine whether -3 is a solution for each inequality. Prove it!

7. $x+3 \geq 0$ -3+3 ≥ 0 0 ≥ 0 Yes	8. $2x < -4$ 2(-3) < -4 -6 < -4 Yes	9. $-3x < 9$ -3(-3) < 9 9 < 9 No	10. $x-5 \geq 8$ -3-5 ≥ 8 -8 ≥ 8 No
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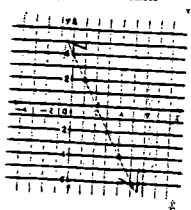
Solve each inequality. Graph the solution.



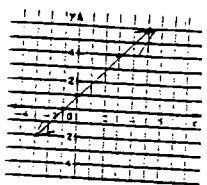
p.18

DIRECTIONS: Complete each table and then graph each solution.

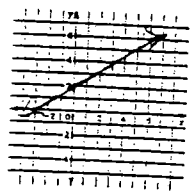
x	-2x + 4	y
1	-2(1)+4	2
2	-2(2)+4	0
3	-2(3)+4	-2
4	-2(4)+4	-4



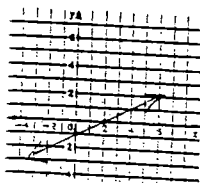
x	y = x + 1	y
-1	-1+1	0
0	0+1	1
3	3+1	4
5	5+1	6



x	$\frac{1}{2}x + 2$	y
-3	$\frac{1}{2}(-3) + 2$	0
0	$\frac{1}{2}(0) + 2$	2
3	$\frac{1}{2}(3) + 2$	4
6	$\frac{1}{2}(6) + 2$	6



x	$\frac{1}{2}x - 1$	y
0	$\frac{1}{2}(0) - 1$	-1
1	$\frac{1}{2}(1) - 1$	$-\frac{1}{2}$
2	$\frac{1}{2}(2) - 1$	0
3	$\frac{1}{2}(3) - 1$	$\frac{1}{2}$



p.16 **Laws of Exponents**

- ① 5^6 ② 7^2 ③ 12^{12} ④ 6^{10} ⑤ 5^5 ⑥ 10^8
 ⑦ $\frac{1}{7^3}$ ⑧ $\frac{1}{3^4}$ ⑨ 1 ⑩ 1 ⑪ 3^{21} ⑫ 1

p.19

- ① x^5 ② y^5 ③ x^2
 ④ $8x^3$ ⑤ $4a^7$ ⑥ $25a^2$
 ⑦ a^{12} ⑧ a^3b^3 ⑨ $\frac{1}{x^7}$
 ⑩ $\frac{1}{8x^3}$ ⑪ $\frac{1}{25x^2}$ ⑫ 1
 ⑬ $\frac{1}{3x}$ ⑭ x^9 ⑮ $16y^2$
 ⑯ m^5n^5 ⑰ t^6 ⑱ x^2
 ⑲ $\frac{1}{x^6}$ ⑳ $\frac{16}{x^4}$ ㉑ a^3b^4

Answers to Squares and Square Roots [Pg.19]

1. 36 2. -64 3. -64 4. 7 5. 17
 6. 4 7. 16 8. -108 9. 125 10. 3
 11. 75 12. 4 13. 3 14. -14

p.20

1. a 2. c 3. b 4. d 5. $16+n$
 6. $\frac{a}{12}$ 7. $\frac{n}{11}$ 8. $3n$ 9. $n-12$
 10. $6n+14$ 11. $8-5n$ 12. $3n+17$
 13. $6(n+4)$ 14. $\frac{n}{m+4}$ 15. $3n-6m$
 16. $a+5$ 17. $a+5$ 18. $\frac{n}{4}$ 19. $5c$
 20. $a-6$ 21. $\frac{a}{3}$ or $\frac{1}{3}a$ 22. $4a$
 23. a) $9+14$ 24. a) $C = 38.70$ r) $5.75m$
 b) 3211.20